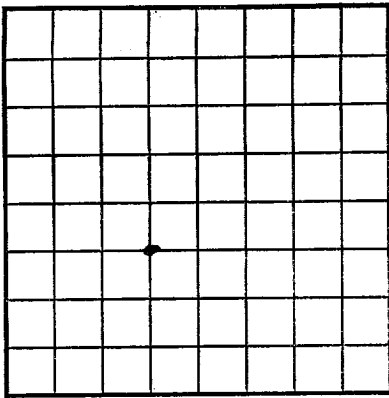


U. S. LAND OFFICE *has/Graces*
 SERIAL NUMBER *029 392-11*
 LEASE OR PERMIT TO PROSPECT



UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company *Edward R. Waulley* Address *Green Hills*
 Lessor or Tract *Mc Intyre* Field *Grayburg* State *N. Mexico*
 Well No. *214* Sec *21* T. *17* R. *30* Meridian *N. 100* County *Eddy*
 Location *3310* ft. (N.) of *3* Line and *150* ft. (E.) of *W* Line of *San 21* Elevation *8*
 (Denote floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed *J. L. Briner*

Date

Title *Superintendent*

The summary on this page is for the condition of the well at above date.

Commenced drilling *6-7-47*, 19... Finished drilling *April 27*, 19... *47*

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from *1765' G* to *2400' G+C* No. 4, from *2973'* to *2985'*
 No. 2, from *3314'* to *3317' G+C* No. 5, from *1401' put 1500' O. in hole* to
 No. 3, from *3347'* to *3455' O* No. 6, from to

IMPORTANT WATER SANDS

No. 1, from *420'* to No. 3, from to
 No. 2, from *3455'* to *3456'* No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<i>8 1/2"</i>	<i>20</i>	<i>8 R</i>	<i>Behl</i>	<i>610'</i>	<i>Texas</i>	<i>on location</i>			
<i>7"</i>	<i>20</i>	<i>8 R</i>	<i>Behl</i>	<i>2950'</i>	<i>Texas</i>	<i>on location</i>			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<i>8 1/2"</i>	<i>610'</i>	<i>50</i>	<i>H.D.W.C.C.</i>		<i>40 bbls</i>
<i>7"</i>	<i>2950'</i>	<i>100</i>	<i>Do</i>		<i>top to Bottom</i>

PLUGS AND ADAPTERS

Heavy plug—Material *Steel* Length *10'* Depth set *2988'*
 Adapters—Material *Steel* Size *2 1/2"* Depth set *2988'*

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<i>5000</i>	<i>acid</i>			<i>3-5-47</i>	<i>2973'</i>	<i>2988'</i>
<i>1500</i>	<i>acid</i>			<i>5-3-47</i>	<i>3400'</i>	<i>3455'</i>

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet
 Cable tools were used from feet to feet, and from feet to feet

DATES

19... No to producing 19...

The production for the first 24 hours was

barrels of fluid of which % was oil

emulsion; % water; and % sediment.

Gravity, °Bé.

Gas well, cu. ft. per 24 hours

Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

Y. H. Settlemyre, Driller

Earl E. Smith, Driller

G. H. Franks, Driller

J. L. Briner, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	235	25	Caliche
	240	25	Red beds
	245	25	Sdy red beds
	250	35	Red beds
	255	90	Sdy R.B.
	260		An
	265	300	ITL
	270		Red Rock
	275	30	An
	280	265	Water Sand
	285	5	RR&hy
	290	20	An
	295	10	R.B.
	300	5	An
	305	20	R.B.
	310	5	RR&hy
	315	90	R.B.
	320	150	An
	325	10	R.B.
	330	5	Salt
	335	160	An
	340	105	AN&R.B.
	345	45	Rd mud
	350	70	An & R.B.brks
	355	60	An
	360	35	An & R.B.Brks
	365	70	An

LOCATE WELL CORRECTLY

Company, Edward Black Mountain
 Teacher or Trust M. J. ...
 Well No. 212 2nd 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th
 Location of the line and ...
 The information given herewith is a complete and correct record of the well and all work done thereon
 as far as can be determined from all available records.
 Signed: J. A. ...
 The ...
 The amount on this page is for the completion of the well as above data.
 Finished drilling ...
 10 11 12 13 14 15 16 17 18 19 20

OIL OR GAS SANDS OR LOMES

[illegible]

EDMUND HEEAW THATHOSMI

1. $\frac{1}{2} \times 100 = 50\%$ 2. $\frac{1}{2} \times 100 = 50\%$
 3. $\frac{1}{2} \times 100 = 50\%$ 4. $\frac{1}{2} \times 100 = 50\%$

CASTING RECORD

DATE	TIME	LOCATION	ACTIVITY	REMARKS	INITIALS	SIGNATURE
1968	10:00	...	...	...	...	...
1968	11:00	...	...	...	...	...
1968	12:00	...	...	...	...	...
1968	13:00	...	...	...	...	...
1968	14:00	...	...	...	...	...
1968	15:00	...	...	...	...	...
1968	16:00	...	...	...	...	...
1968	17:00	...	...	...	...	...
1968	18:00	...	...	...	...	...
1968	19:00	...	...	...	...	...
1968	20:00	...	...	...	...	...
1968	21:00	...	...	...	...	...
1968	22:00	...	...	...	...	...
1968	23:00	...	...	...	...	...
1968	24:00	...	...	...	...	...

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reaming, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sacked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 6-6745

FROM	TO	TOTAL FEET	FORMATION
1610	1660	50	AN
1660	1675	15	AN
1675	1695	20	AN
1695	1700	5	AN
1700	1730	30	AN
1730	1790	60	AN
1790	1850	60	AN
1850	1905	55	AN
1905	2180	275	AN
2180	2195	15	AN
2195	2210	15	AN
2210	2230	20	AN
2230	2245	15	AN
2245	2345	100	AN
2345	2360	15	AN
2360	2385	25	AN
2385	2527	142	AN
2527	2585	58	AN
2585	2665	80	AN
2665	2670	5	AN
2670	2870	200	AN
2870	2985	115	AN
2985	3145	160	AN
3145	3245	100	AN
3245	3255	10	AN
3255	3297	42	AN
3297	3314	17	AN
3314	3387	73	AN
3387	3448	61	AN
3448	3493	45	AN
3493	3495	2	AN
3495	3752	257	AN
3752	3752	0	AN

WEEK 1

FORMATION RECORD—Continued

OVER